Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/29/2019 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125721	0	3.83	125770	3.87
Blue	F	SSC	125000	125420	0	2.56	126228	2.59
Blue	E	FITC	16122	15704	-3	3.71	342	20.34
Blue	D	PE	29316	28713	-3	3.28	626	15.44
Blue	B	PerCP-Cy5-5	42590	42280	-1	4.64	1141	20.67
Blue	A	PE-Cy7	33146	33748	1	7.05	641	41.71
Red	C	APC	45473	44700	-2	2.88	1585	12.21
Red	A	APC-Cy7	31961	30767	-4	3.06	813	12.23
Violet	B	V450	7914	7542	-5	3.88	421	13.09
Violet	A	V500	29769	28882	-3	3.49	673	10.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21268	5.09	613	13	N/A	N/A	Pass
Blue	F	SSC	56396	2.69	554	16	N/A	N/A	Pass
Blue	E	FITC	62	65.09	542	5	0.0198	152	Pass
Blue	D	PE	131	51.12	544	7	0.1516	273	Pass
Blue	B	PerCP-Cy5-5	209	51.57	649	11	0.0090	96	Pass
Blue	A	PE-Cy7	119	103.22	705	14	0.0106	17	Pass
Red	C	APC	376	25.97	587	8	0.0249	217	Pass
Red	A	APC-Cy7	179	29.65	563	7	0.0056	1272	Pass
Violet	B	V450	65	57.02	461	1	0.0459	1604	Pass
Violet	A	V500	100	31.13	474	2	0.0223	419	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.32	-31.64	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.87	13.60 - 20.40	N/A	N/A	28.90	29.67	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10601

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments